

Title (en)

APPARATUS FOR PRODUCING NANO-FIBER AND METHOD FOR PRODUCING NANO-FIBER

Title (de)

VORRICHTUNG ZUR HERSTELLUNG EINER NANOFASER UND VERFAHREN ZUR HERSTELLUNG EINER NANOFASER

Title (fr)

APPAREIL ET PROCÉDÉ DE PRODUCTION DE NANO-FIBRE

Publication

EP 3235928 A4 20180815 (EN)

Application

EP 15870071 A 20151217

Priority

- JP 2014256587 A 20141218
- JP 2015085413 W 20151217

Abstract (en)

[origin: US2016376729A1] According to the embodiment, a nanofiber manufacturing device that includes an ejector and a power generator is provided. The ejector is capable of ejecting a solution from a head portion toward a target. The power generator generates a potential difference between the head portion and the target. The head portion includes a first guide having a first surface and a second guide having a second surface, the first surface and the second surface making a gap, the gap being capable of maintaining the solution. A tip of at least one of the first guide and the second guide includes a maintain portion provided so as to be capable of maintaining the solution.

IPC 8 full level

D01D 5/04 (2006.01); **B29C 48/04** (2019.01); **B29C 48/05** (2019.01); **B29C 48/30** (2019.01); **D01D 4/02** (2006.01); **D04H 1/728** (2012.01); **B29C 48/02** (2019.01)

CPC (source: EP US)

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Citation (search report)

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- [X] US 2006226580 A1 20061012 - XIA YOUNAN [US], et al
- [X] WO 2011133825 A1 20111027 - BATTELLE MEMORIAL INSTITUTE [US], et al
- [X] US 2006049542 A1 20060309 - CHU BENJAMIN [US], et al
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- See references of WO 2016098869A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 10370777 B2 20190806; **US 2016376729 A1 20161229**; CN 106062259 A 20161026; CN 106062259 B 20190510; EP 3235928 A1 20171025; EP 3235928 A4 20180815; EP 3235928 B1 20200422; JP 2016117959 A 20160630; JP 6117174 B2 20170419; WO 2016098869 A1 20160623

DOCDB simple family (application)

US 201615261305 A 20160909; CN 201580011092 A 20151217; EP 15870071 A 20151217; JP 2014256587 A 20141218; JP 2015085413 W 20151217